

6.2.8 Characteristics of New Commercial Distributed Generating Technologies, by Plant Type

<u>New Plant Type</u>	<u>Efficiency (HHV)</u>		<u>2006 Installed Capital Costs of Typical DG Technologies</u>			<u>Service Life (years)</u>
	<u>Electrical</u>	<u>Electrical + Thermal</u>	<u>Price (\$2006 per kW)</u>	<u>Size (kW)</u>	<u>Cost (\$2006 thousand)</u>	
Solar Photovoltaic	0.16	N.A.	6,547	25	164	30
Fuel Cell	0.36	0.72	5,674	200	1,135	20
Natural Gas Engine	0.32	0.77	1,233	200	247	20
Oil-Fired Engine	0.31	0.82	1,353	200	271	20
Natural Gas Turbine	0.23	0.66	1,974	1000	1,974	20
Natural Gas Microturbine	0.30	0.63	1,768	200	354	20

Source(s): Discovery Insights, Final Report: Commercial and Industrial CHP Technology Cost and Performance Data Analysis for EIA's NEMS, Jan. 2006, Table 7, p. 12; and EIA, Annual Energy Review 2007, July 2008, Appendix D, p. 373.